5

ABSTRACT

An apparatus and methods for chlorine dioxide generation. The chlorine dioxide apparatus may comprise a plurality of metering pumps for delivering a plurality of reactant chemicals. The reactant chemicals are preferably delivered to a reaction column through inlet ports where the reactants are mixed to form the desired reactants. A synchronizer may control the metering pump action to provide synchronized delivery of the plurality of reactant chemicals to the reaction column.

Docket 3252.2.3

Z·\ALL CLIENTS\3252 Resonance\3252-2-1 PAT-FIL-APP 011107 wpd